10212P 6T662007

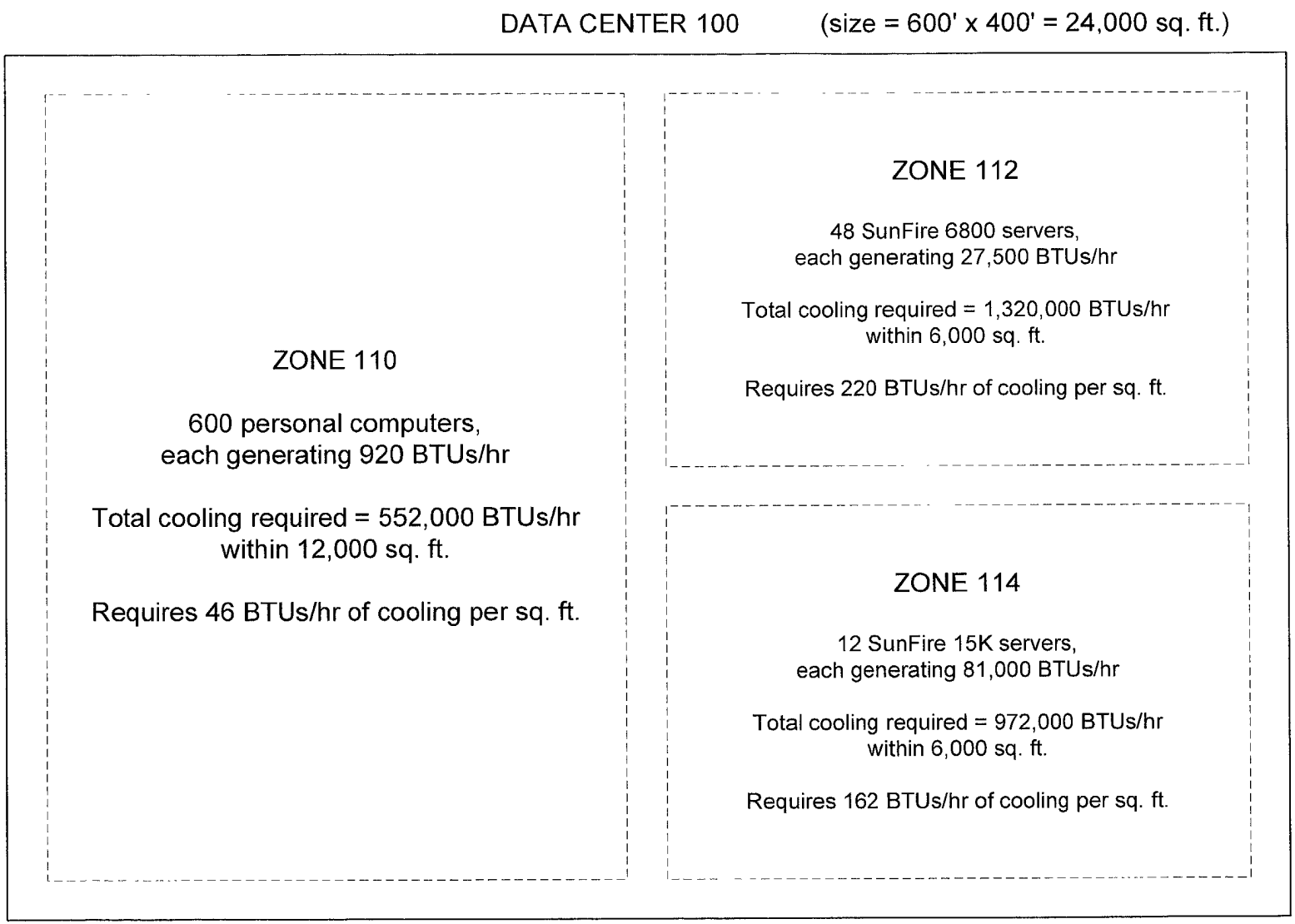

FIG. 1

Requirements	EU 200 Storage Array A	EU 210 Storage Array B	EU 220 Server A	IEU 250 (EU 200 or EU 210)
Power:	Two 30A 208V L6-30R outlets; 3812 watts consumed	Two 30A 208V L6-30R outlets; 4111 watts consumed	Four 30A 208V L6-30R outlets; 8488 watts consumed	Two 30A 208V L6-30R outlets; 4111 watts consumed
Cooling:	13,040 BTUs/hr	14,060 BTUs/hr	29,030 BTUs/hr	14,060 BTUs/hr
Weight:	970 lbs. (440 Kg)	780 lbs (354 Kg)	1,000 lbs. (454 Kg)	970 lbs. (440 Kg)
Size:	24" X 48" = 8 ft^2	24" X 48" = 8 ft^2	24" X 54" = 9 ft^2	24" X 48" = 8 ft^2
Bandwidth:	4 multi-mode fiber	2 multi-mode fiber	4 multi-mode fiber, 4 cat-5 copper	4 multi-mode fiber
Functional Capacity:	5.2 TB	4.7 TB	24 CPUs, 96GB RAM	4.7 TB

FIG. 2

Requirements	**40** EU 220 Server A	**160** EU 200 Storage Array A	Total Requirements
Power:	160 30A 208V L6-30R outlets; 339,520 watts consumed	320 30A 208V L6-30R outlets; 609,920 watts consumed	480 30A 208V L6-30R outlets; 949,440 watts consumed
Cooling:	1,121,200 BTUs/hr	2,086,400 BTUs/hr	3,207,600 BTUs/hr
Weight:	40,000 lbs. (18,160 Kg)	124,800 lbs. (56,640 Kg)	164,800 lbs. (74,800 Kg)
Size:	$9ft^2$ x 40 = 360 ft^2	$8ft^2$ x 160 = 1,280 ft^2	1,640 ft^2
Bandwidth:	160 multi-mode fiber, 160 cat-5 copper	320 multi-mode fiber	480 multi-mode fiber 160 cat-5 copper
Functional Capacity:	960 CPUs, 3.84TB RAM	832TB	960 CPUs, 3.84TB RAM, 832TB Disk Storage

FIG. 3

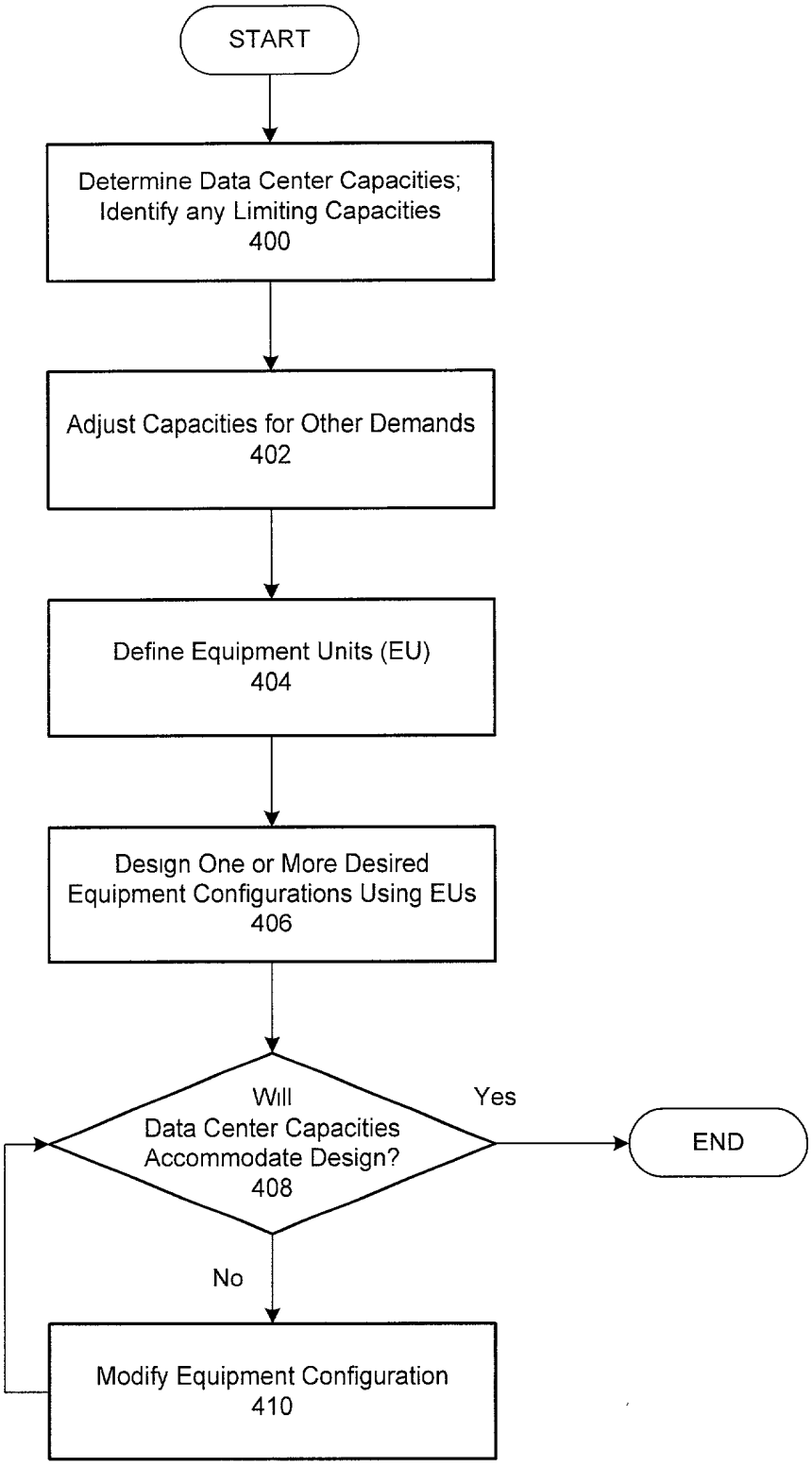
START
Determine Data Center Capacities; Identify any Limiting Capacities
400
Adjust Capacities for Other Demands
402
Define Equipment Units (EU)
404
Design One or More Desired Equipment Configurations Using EUs
406
Will Data Center Capacities Accommodate Design?
408
Yes
END
No
Modify Equipment Configuration
410

FIG. 4

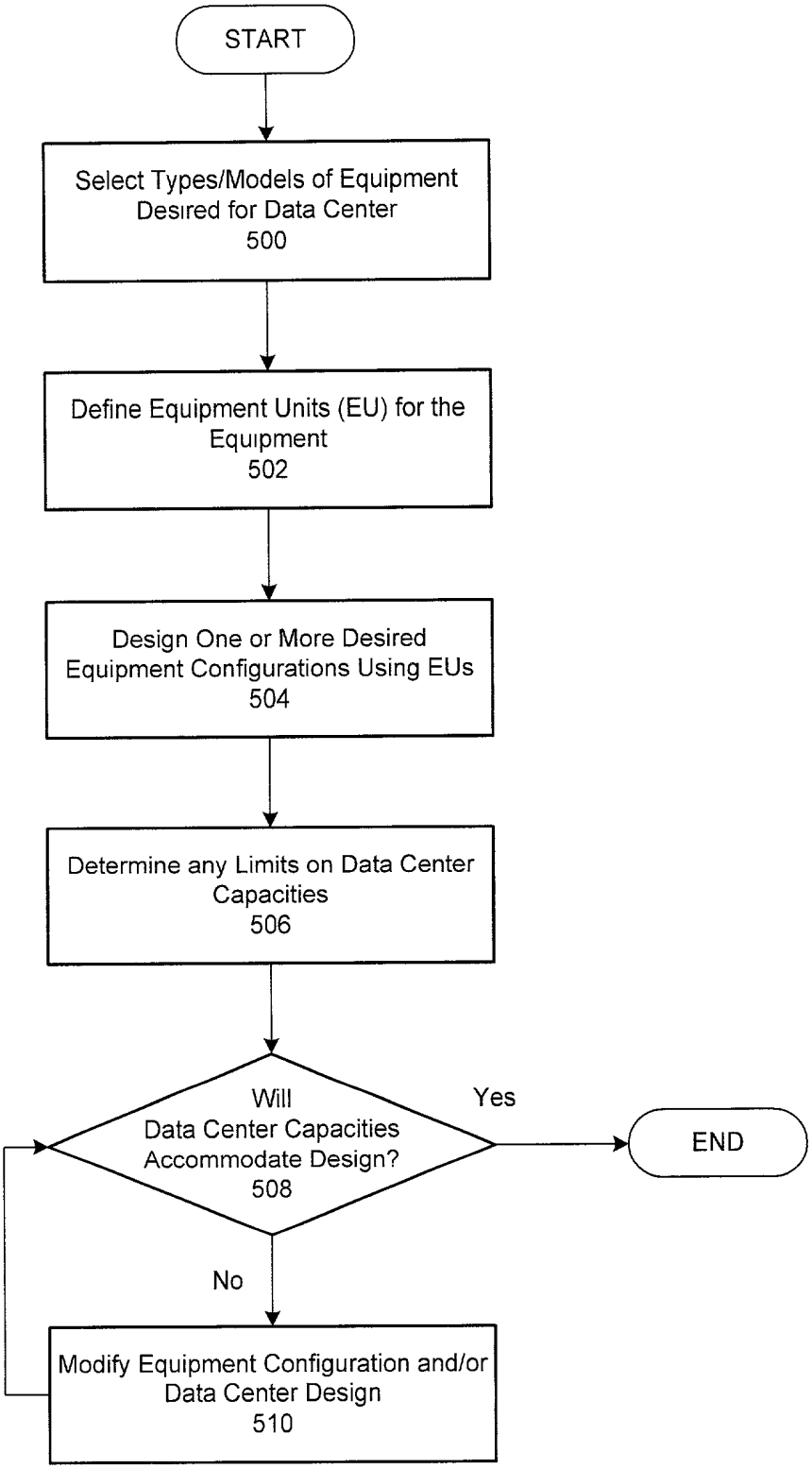
START
Select Types/Models of Equipment Desired for Data Center
500
Define Equipment Units (EU) for the Equipment
502
Design One or More Desired Equipment Configurations Using EUs
504
Determine any Limits on Data Center Capacities
506
Will Data Center Capacities Accommodate Design?
508
Yes
END
No
Modify Equipment Configuration and/or Data Center Design
510

FIG. 5